

AMENDMENTS TO THE CLAIMS

Please amend the claims as they currently stand so that they are in accord with the following listing of the claims:

Claim 1 (original): A method of document management utilizing document corpora comprising:

- gathering a source corpus of documents in electronic form;
- modeling the source corpus in terms of document and domain structure information to identify corpus enhancement parameters;
- using a metalanguage to electronically tag the source corpus;
- programming the corpus enhancement parameters into an intelligent agent; and
- using the intelligent agent to search external repositories to find similar terms and structures, and return them to the source corpora, whereby the source corpus is enhanced to form a unicorpus.

Claim 2 (original): The method of claim 1, further comprising replicating the unicorpus in at least one language other than the language of the unicorpus.

Claim 3 (original): The method of claim 2, wherein unicorpus replication includes translating terms in the unicorpus with a machine dictionary.

Claim 4 (original): The method of claim 3, wherein unicorpus replication further comprises performing an analysis of terms surrounding an undefined term to translate the undefined term.

Claim 5 (original): The method of claim 4, wherein the analysis includes performing a natural language analysis.

Claim 6 (original): The method of claim 4, wherein the analysis includes a statistical analysis.

Claim 7 (original): The method of claim 6, further comprising mining the unicorpus, wherein mining includes locating tagged objects within the unicorpus.

Claim 8 (currently amended): The method of claim ~~[[5]]~~7, wherein mining of the unicorpus includes extraction of concept systems.

Claim 9 (currently amended): The method of claim ~~[[7]]~~8, wherein the extraction of concept systems includes determining semantic relations between individual concepts.

Claim 10 (original): The method of claim 5, further comprising replicating the unicorpus in at least one other language to form a second unicorpus, wherein the second unicorpus is mined to obtain useful objects in the other language.

Claim 11 (currently amended): The method of claims ~~5-9~~ or 10, wherein the mining is performed selectively to assist in a task.

Claim 12 (original): The method of claim 11, wherein said task includes authoring a document.

Claim 13 (original): The method of claim 11, wherein said task includes content based searching.

Claim 14 (original): The method of claim 11, wherein said task includes document management.

Claim 15 (original): The method of claim 11, wherein said task includes content management.

Claim 16 (original): The method of claim 11, wherein said task includes translation.

Claim 17 (original): The method of claim 16, wherein said translation includes corpus based machine translation.

Claim 18 (original): The method of claim 1, further comprising providing access to the unicorpus over a peer-to-peer network.

Claim 19 (original): The method of claim 18, wherein at least two unicorpora are connected via the peer-to-peer network, such that sharing of resources occurs between the unicorpora.

Claim 20 (currently amended): A global documentation method comprising:
modeling a source corpus to determine search parameters;
providing the search parameters to an intelligent agent;
enhancing the source corpus by accessing resources outside of the source corpus with the intelligent agent, where said intelligent agent tags the modeled source corpus and retrieves resources according to the search parameters to create a first unicorpus of tagged documents;
replicating the first unicorpus in at least one other language to form a second unicorpus;
and selectively mining at least one unicorpus to perform a selected task.

Claim 21 (currently amended): The method of claim 20, further comprising providing access to at least one [[the]] unicorpus via a shared network.

Claim 22 (original): The method of claim 21, wherein said shared network is a peer-to-peer network.

Claim 23 (original): The method of claim 21, further comprising routing documents between unicorpora connected on the peer-to-peer network to a user.

Claim 24 (original): The method of claim 23, further comprising tracking the routing of the documents.

Claim 25 (original): The method of claim 24, further comprising managing rights to the documents routed across the peer-to-peer network.

Claim 26 (original): The method of claim 20, wherein the first unicorpus has a plurality of terms wherein replicating includes prepopulating the second unicorpus by using machine translations of at least a portion of said first unicorpus terms.

Claim 27 (original): The method of claim 26, wherein prepopulating further comprises analyzing the machine translated terms to define remaining terms in the first unicorpus.

Claim 28 (original): The method of claim 27, wherein analyzing includes a statistical analysis of terms adjacent to the untranslated terms.

Claim 29 (original): The method of claim 27, wherein analyzing includes performing a natural language analysis of the first unicorpus terms.

Claim 30 (currently amended): A document management method comprising:
constructing models of a source corpus of documents;
deriving parameters from said models for the operation of an intelligent agent over at least one external document repository; and
enhancing the source corpus of documents by adding selected documents retrieved by the intelligent agent to form an artificially enhanced corpus.

Claim 31 (currently amended): The method of claim 30, further comprising:
analyzing the artificially enhanced corpus to discover objects useful for at least one task; and
tagging the objects within the artificially enhanced corpus to allow for identification, description, and retrieval of the objects.

Claim 32 (original): The method of claim 30, further comprising replicating the artificially enhanced corpus in a second language.

Claim 33 (original): The method of claim 32, further comprising performing cross-linguistic alignment of the second language artificially enhanced corpus and the first artificially enhanced corpus and tagging objects within the corpora according to the alignment.

Claim 34 (original): The method of claim 33, further comprising repopulating terminology management and translation memory management components of a computer-assisted translation workstation with the objects tagged in the second language artificially enhanced corpus.

Claim 35 (original): The method of claim 30, further comprising linking the artificially enhanced corpora to at least one other artificially enhanced corpus using a peer-to-peer network.

Claim 36 (original): The method of claim 35, wherein the intelligent agent adds documents to the artificially enhanced corpus from another artificially enhanced corpus located on the peer-to-peer network.

Claim 37 (original): The method of claim 30, wherein the external document repository includes the internet.

Claim 38 (original): The method of claim 30, wherein the external document repository includes other corpora resident on a peer-to-peer network.

Claims 39-46 (cancelled)

Claim 47 (currently amended): A document management system operating according to a business method comprising:
providing document management services including translation and authoring services over a global information network to a customer, where the customer has a source corpus of documents to be managed;

accessing the source corpus with an intelligent agent to analyze the source corpus, identify selected objects within the source corpus, and tag the selected objects with a metatag, wherein the analysis results in the generation of document parameters programmed into the intelligent agent for searching of external document repositories, wherein said intelligent agent uses said parameters to identify and tag objects of interest in said external document repositories and[[,]] selectively retrieve the objects to enhance the source corpus; and

tracking rights in said retrieved objects to determine a royalty payable to an owner of the rights.

Claim 48 (original): A document management system, in which a document manager is linked to a plurality of unicorpora via a peer-to-peer network, the document management system including a method of providing document management services including authoring and translation comprising:

receiving a document management request from a unicorpora in the network;
programming an intelligent agent with a set of parameters responsive to the request;

deploying the intelligent agent to search unicorpora in the peer-to-peer network to identify objects responsive to the request; and

transmitting the objects to the requesting unicorpus by way of the peer-to-peer network.

Claim 49 (original): The document management system of claim 48, further comprising assembling the identified objects according to the parameters into a document.

Claim 50 (currently amended): An intelligent agent in a document management method comprising:

a program containing parameters derived from heuristic models of a source corpus[[;]], wherein said parameters are implemented in said program to locate and retrieve documents from external document repositories.

Claim 51 (original): An intelligent agent used in a document management method comprising:
a program including a tagging subroutine operating under parameters, said
parameters causing the program to search a corpus and directing the tagging
subroutine to tag language objects within the corpus.

Claim 52 (currently amended): An intelligent agent for searching external corpora
comprising:
a processor having search parameters programmed to~~[[:]]~~ search external corpora
according to the parameters for content, tag said content identified in the search, and
selectively retrieve the content.

Claim 53 (currently amended): The ~~method~~ intelligent agent of claim 52, wherein the
content includes document structures.

Claim 54 (original): The intelligent agent of claim 52, wherein the content includes document
models.

Claim 55 (original): The intelligent agent of claim 52, wherein the content includes objects.

Claim 56 (original): The intelligent agent of claim 52, wherein the content includes concepts.

Claim 57 (currently amended): Computer readable media tangibly embodying a program
of instructions executable by a computer to perform a method of ~~[[an]]~~ enhancing ~~[[of]]~~ a
source corpus in a document management system comprising:
receiving electronic signals representing first parameters including document
structure and document domain information regarding the source corpus;
searching external document repositories according to the first parameters to
identify and tag document domain and structure information in the external document
repositories according to the first parameters; and

reporting the tagged information for selective retrieval of the tagged information.

Claim 58 (currently amended): The computer readable media of claim ~~[[4]]~~57, wherein the method further comprises:

analyzing the tagged information to create a heuristic model defining document domain and document structure information as a second parameter; and

causing electronic signals representing the second parameter to be reported to a document management server to update said first parameters.

Claim 59 (currently amended): Computer readable media tangibly embodying a program of instructions executable by a computer to perform a method of managing documents in a document management system comprising:

constructing heuristic models including a domain model and a document structure model in a source corpus of documents;

using the heuristic models to derive parameters for the operation of an intelligent agent over at least one external document repository; and

enhancing the source corpus of documents by adding selected documents using the intelligent agent operating under the direction of parameters derived from the heuristic models to form an artificially enhanced corpus.

Claim 60 (currently amended): A document management system, in which a source corpus is enhanced by the use of an intelligent agent to create an artificially enhanced corpus by a method comprising:

receiving electronic signals for representing a document from the intelligent agent, the document including domain and structure information;

performing heuristic modeling of the source corpora and the received document; and

sending electronic signals representing search parameters derived from the modeling to the intelligent agent requesting another document according to the search parameters.